

NOTES					
REFERENCE DRAWINGS					
DRAWING TITLE				DRAWING NO.	
DRAWING CONTROL SHEET				CE - 289148	
ONE LINE DIAGRAM - DC AUXILIARY SYSTEM				CA - 289211	
AS-BUILT BY _____ DATE _____					
1	29.04.13	EMM	REV.AS PER COMMENTS	BG	BG DA
0	16.02.13	EMM	ISSUED FOR APPROVAL	CV	CV DA
REV. NO.	DATE	BY	DESCRIPTION	CHKD.	CERT. APPD.
الشركة الوطنية لنقل الكهرباءNational Grid sa					
DRAWN BY E.MOJICA CHECKED BY C.VELEZ SCALE NTS					
DATE STARTED 16.02.2013 DATE COMPLETED -					
OPRG. DEPT. - ENG. DEPT. -					
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED			CERTIFIED BY _____ DATE _____		
FRONT LAYOUT COVER PAGE					
NEW 125V DC DISTRIBUTION BOARD					
REINFORCEMENT OF EXISTING 132/133KV S/S #8501 AL-MAJMAH S/S					
RIYADH SAUDI ARABIA					
JOB ORDER NO.	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
11131061/00	P	C424	CD - 289344	00 of 02	1

CONTRACTOR : ABB CONTRACTING CO. LTD.

CUSTOMER : NATIONAL GRID – SAUDI ARABIA / SEC–COA

PROJECT : REINFORCEMENT OF EXISTING 132/33kv SUBSTATION #8501
AL–MAJMAH SUBSTATION

CONTRACT NO. : —

PLANT NO. : C424

JOB ORDER NO. : 11131061/00

PANEL NAME : NEW 125V DC DISTRIBUTION BOARD
(FRONT LAYOUT)

JOB ORDER NO.	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
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JOB ORDER NO.

11131061/00

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P

PLANT NO.

C424

DRAWING NUMBER

CD - 289344

SHEET NO.

01 of 02

REV. NO.

1

REVISION

SHEET	DESCRIPTION	0	1	-	-	-	-	-
0	COVER SHEET	X	X					
1	INDEX	X	X					
2	FRONT & ARRANGEMENT LAYOUT	X	X					
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National Grid sa

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CERTIFIED

BY - DATE -

INDEX

NEW 125V DC DISTRIBUTION BOARD

REINFORCEMENT OF EXISTING 132/133KV S/S #8501 AL-MAJMAH S/S

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SEC-D (2004/10)

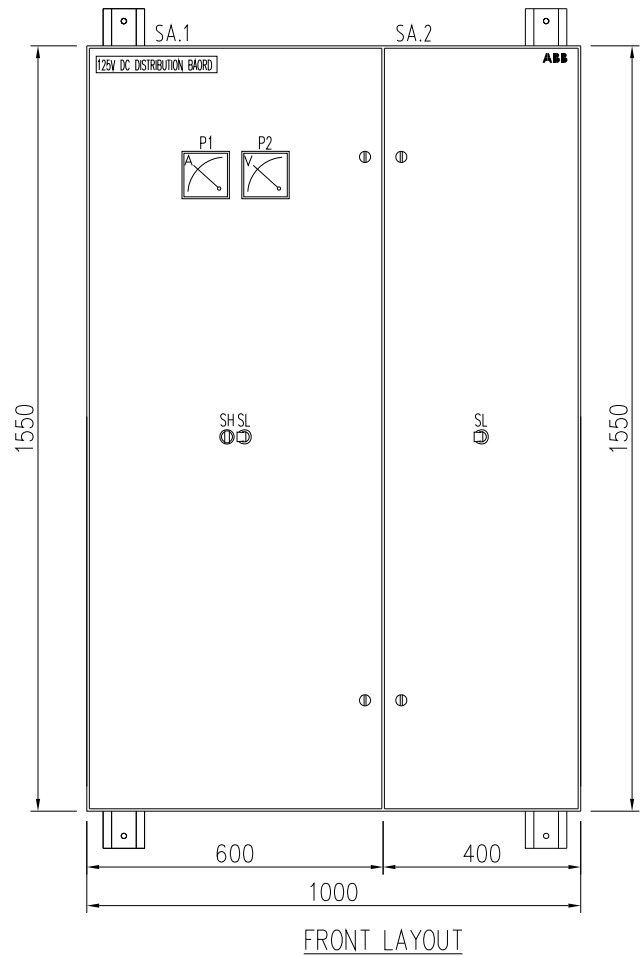
DMS

VECTOR

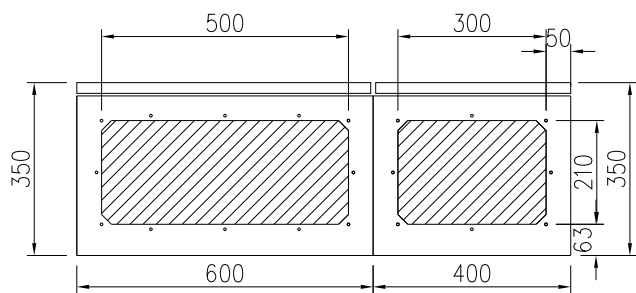
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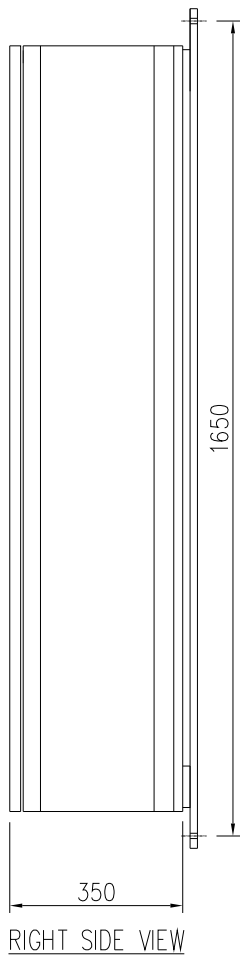
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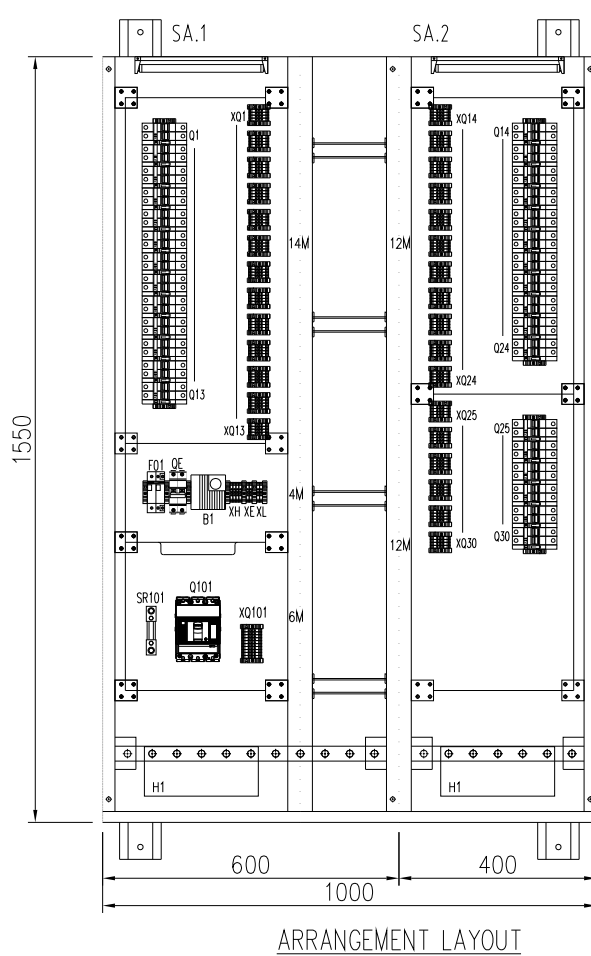
FRONT LAYOUT



FOUNDATION LAYOUT



RIGHT SIDE VIEW



ARRANGEMENT LAYOUT

CUBICLE SPECIFICATION:

CUBICLE TYPE	: C-800 (WALL MOUNTED)
DEGREE OF PROTECTION	: IP 41
DESIGN TEMPERATURE	: 40°C
OPERATIONAL VOLTAGE	: 125V DC
RATED INSULATION	: 660V
RATED SHORT CIRCUIT	: 15kA
RATED CURRENT	: 150A
VER PHASE BUS BAR	: 2x20x5mm Cu.
GROUND BUSBAR	: 30X10mm Cu.
BUSBAR PLATING	: TIN
INCOMING CABLE ENTRY	: BOTTOM
OUTGOING CABLE ENTRY	: BOTTOM
PAINT	: RAL 7033

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FRONT & ARRANGEMENT LAYOUT
NEW 125V DC DISTRIBUTION BOARD
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RIYADH SAUDI ARABIA

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